

To: John Amos [John@skytruth.org]
Cc: dchambers@csp2.org[]
Bcc: []
From: CN=Phil North/OU=R10/O=USEPA/C=US
Sent: Fri 2/26/2010 10:36:41 PM
Subject: Re: Pebble superimposed on Seattle
<mailto:John@skytruth.org>
North.Phil@epamail.epa.gov
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(embedded image)

But realistically, all plans submitted so far for tailing management have to be off the table. Their previous plan does not come close to handling the volume of waste identified.

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"To protect your rivers, protect your mountains."

From: John Amos <John@skytruth.org>
To: dchambers@csp2.org
Cc: Phil North/R10/USEPA/US@EPA
Date: 02/26/2010 12:04 PM
Subject: Re: Pebble superimposed on Seattle

Dave - I read it off this graphic from their 2006 permit application for TSF A:

David Chambers wrote:
John:

I'm curious to know where the 2.7 billion cubic yards figure comes from. The figure I've seen for TSF A is 2.0 billion tons (from Knight Piesold).

Dave

From: John Amos [mailto:John@skytruth.org]
Sent: Thursday, February 25, 2010 09:16
To: North.Phil@epamail.epa.gov
Cc: David Chambers, Ph.D.
Subject: Re: Pebble superimposed on Seattle

Thanks Phil - this is a very interesting exercise that could lead to some useful comparisons. I've cc'd Dave - I hope you don't mind.

The permit applications from Northern Dynasty show that TSF A will ultimately hold 2.7 billion cubic yards (24.3 billion cubic feet), and TSF G will hold 590 million cubic yards (5.3 bcf). That's "only" 29.6 bcf total for Pebble if the permit applications are accurate, as opposed to the 171.4 bcf that your analysis uses; Dave might know what would be a realistic volume estimate, given the proposed size of the pit to exploit the western deposit, plus the potential size of the underground block-cave mining to exploit the eastern deposit.

At 100 foot depth, 29.6 bcf would cover an area of 296 million square feet, or 10.6 square miles. That's a circle with a radius of 9704 feet, seen here superimposed on Seattle. - john

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